

# MICREAgents Spring Workshop



ECLT Venice, March 14-15, 2013

## 1. Programme

Time	Day 1 - Thursday, March 14
9:00-9:10	Introduction & welcome : The task ahead, <b>McCaskill</b> (10 min)
9:10-10:50	<b>Lablet Design &amp; Fab</b> <i>Functionalities: lablets and dock, <b>WP6 McCaskill</b> (10 min)</i> <i>Passive &amp; Supercap Lablet, <b>WP5, 6 Wagler</b> (20 min)</i> <i>Overall Electronic Design, <b>WP6, 7 Maeke</b> (15min)</i> <i>CMOS Electronics : Design and Floorplan, <b>WP5, 6, 7 Mayr, Funke</b> (40 min)</i> <i>Dock and lablets: overall design &amp; fab, <b>WP6, 7 Maeke, Tangen</b> (15 min)</i>
10:50-11:05	<b>Coffee Break</b>
11:05-12:25	<b>Supercap &amp; Sensor</b> <i>Supercap &amp; surface coatings, <b>WP5, 1 Cronin</b> (40 min)</i> <i>Sensor, sponges, gels &amp; amplification, <b>WP3, 1 Willner</b> (40 min)</i>
12:25-13:05	<b>Reversible lablet docking &amp; self-assembly</b> <i>Switchable DNA surface docking, <b>WP2 Herrmann</b> (30 min)</i> <i>Reversible bead hybridization via triplexes, <b>WP2 Minero</b> (10 min)</i>
13:05-14:05	<b>Lunch at ECLT</b>
14:05-15:00	<b>Lablet cloning and amplification</b> <i>Evolvable lablet patterning schemes for self-assembly, <b>WP6, 2 Packard</b> (15 min)</i> <i>Lablet SPREAD &amp; DNA amplification, <b>WP4 Patzke</b> (25 min)</i> <i>Amphiphile compatibility of lablets, <b>WP3 Rasmussen</b> (15 min)</i>
15:00-15:20	<b>Lablet coding and computation</b> <i>Relation to MATCHIT automaton, <b>WP10 Fellermann, Rasmussen</b> (10 min)</i> <i>Gemlabic code and bootstrapping, <b>WP10 Wills, McCaskill</b> (10 min)</i>
15:20-15:40	<b>Applications: Synthesis, delivery, biodocking</b> <i>Lablets and programmed delivery &amp; uptake, <b>WP9 Stepanek</b> (20 min)</i>
15:40-16:00	<b>Coffee Break</b>
16:00-17:15	Discussion and Coordination of high level functions: <ol style="list-style-type: none"> <li>1. Lablet cloning and self-replication of lablets</li> <li>2. Lablet coding and simulation</li> <li>3. Multilablet chemical processes</li> <li>4. Applications of lablets including biodocking</li> <li>5. Miscellaneous high level issues</li> </ol>

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<b>17:15-18:00</b>	Coordination Committee Meeting (Others time to discuss in small groups)
<b>19:00</b>	<b>Common Dinner</b>

<b>Time</b>	<b>Day 2 - Friday, March 15</b>
<b>9:00-10:30</b>	<b>Lablet Design and Fab</b> Discussion and Coordination of low level functions: <ol style="list-style-type: none"><li>1. Lablet power and supercap</li><li>2. Interlablet communication: capacitive &amp; Faradaic</li><li>3. Lablet motion and self-assembly: including magnetic</li><li>4. Lablet chemical functionality</li><li>5. Electronics, ROM, optical barcodes &amp; other</li></ol>
<b>10:30-10:45</b>	<b>Coffee Break</b>
<b>10:45-13:00</b>	Planning Session: Experimental, software and lablet fabrication cooperation planning <b>Small Groups</b> (75 min) Internal deliverables, joint experiments, deadlines <b>Plenum</b> (60 min)
<b>13:00-14:00</b>	<b>Lunch at ECLT</b>
<b>14:00-16:00</b>	<b>Plenum:</b> Web Site and Dissemination Planning (15 min) Major deliverables period 1 and review meeting preparation (60 min) Closing Discussion of Main Scientific Targets in First Period (30 min) Planning of upcoming meetings and ECLT activities (15 min)
<b>16:00</b>	<b>Coffee Break</b>
	Discussion and departures